

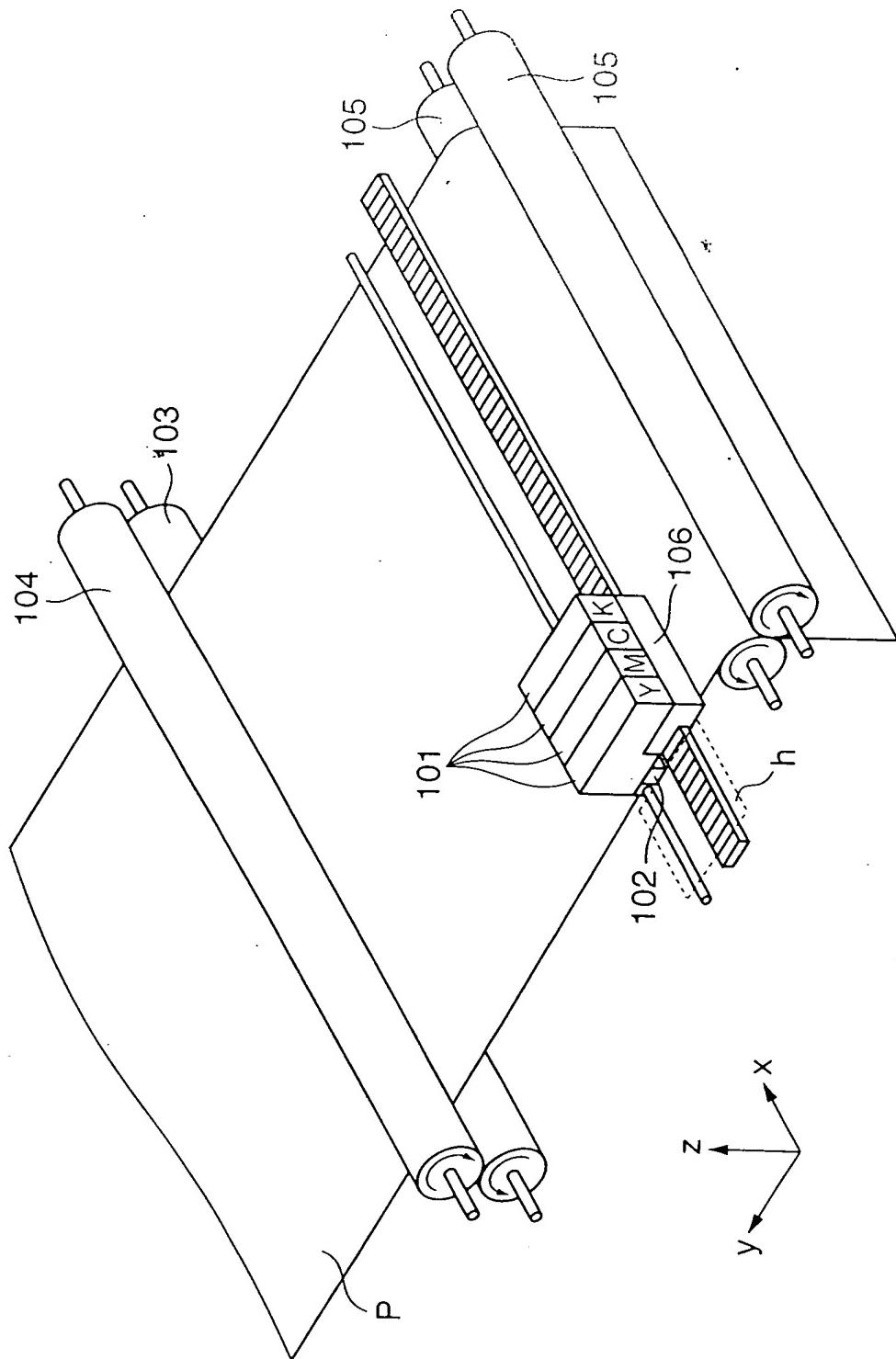
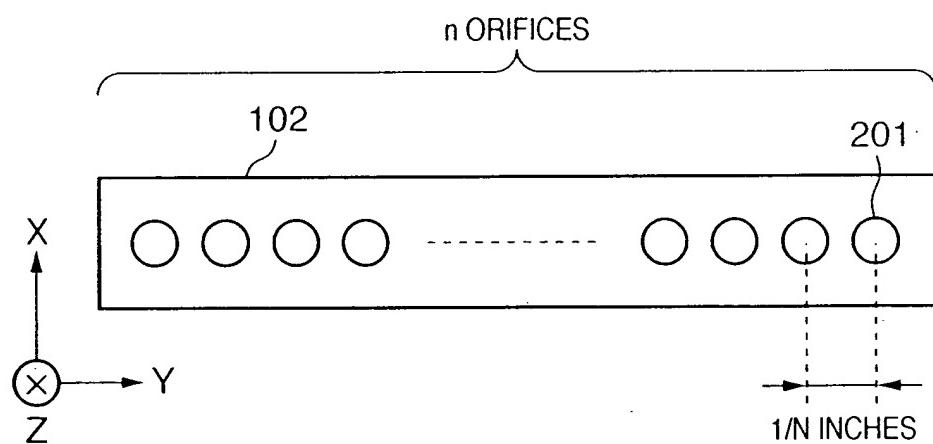
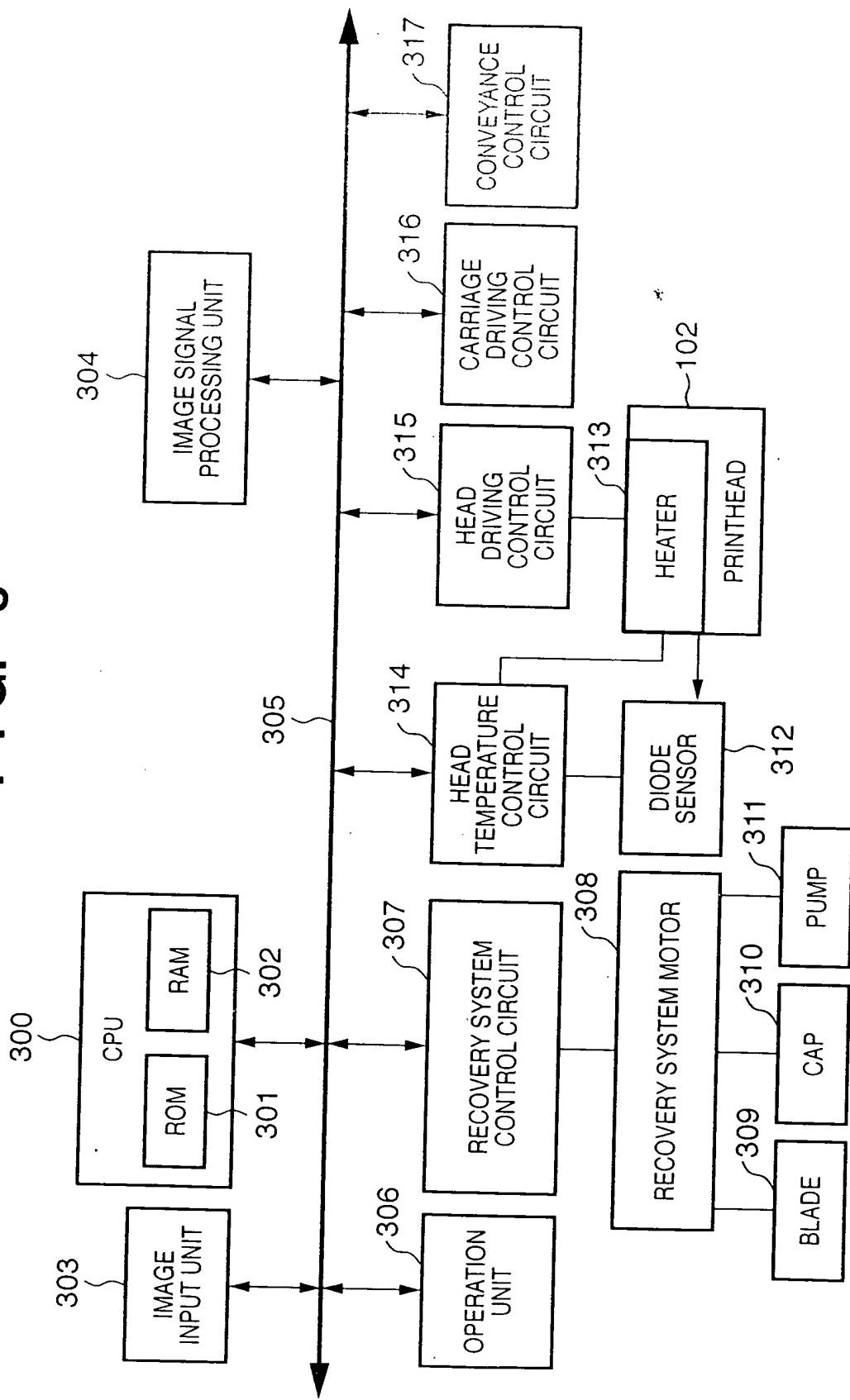
**FIG. 1**

FIG. 2



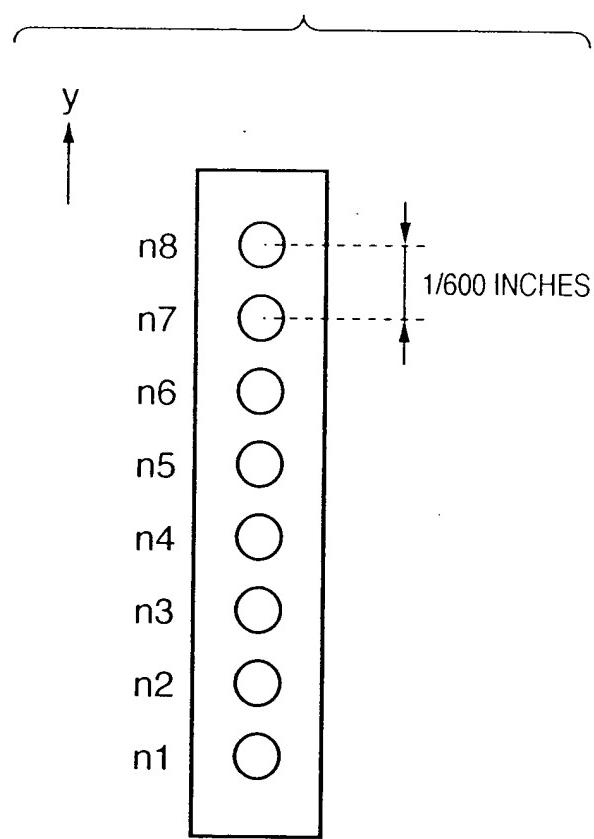
**FIG. 3**

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FIG. 4

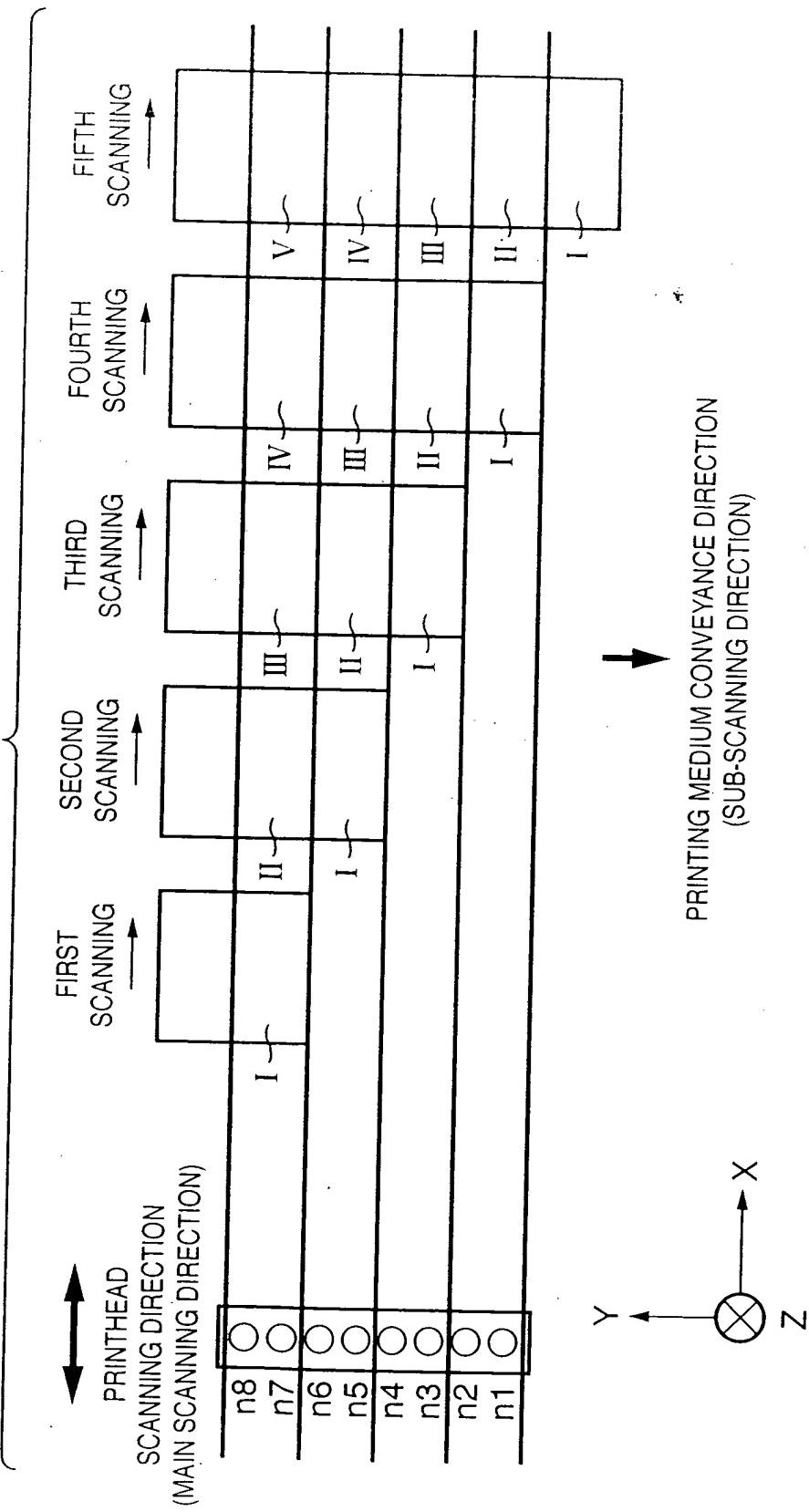


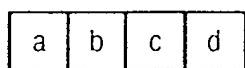
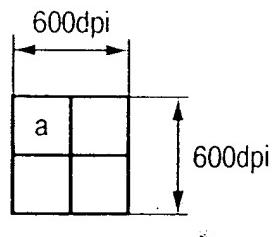
BEST AVAILABLE COPY

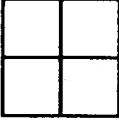
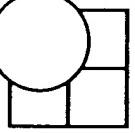
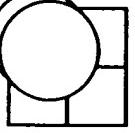
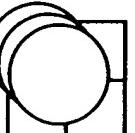
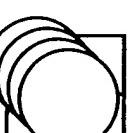
**F I G. 5**

QUANTIZATION LEVEL	NUMBER OF PRINTING DOTS	PIXEL DATA
0	0	· 0000
1	1	· 0001 · 0010 · 0100 · 1000
2	2	· 0011 · 1010 · 0101 · 1100 · 0110 · 1001
3	3	· 0111 · 1011 · 1101 · 1110
4	4	· 1111

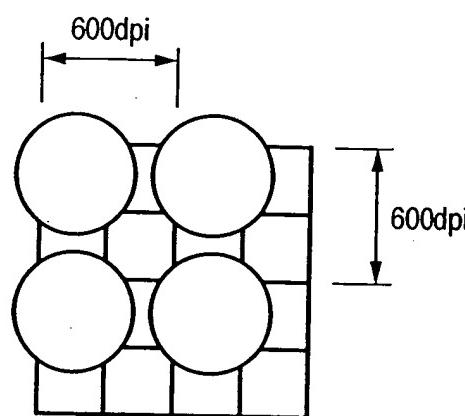
6 FIG.



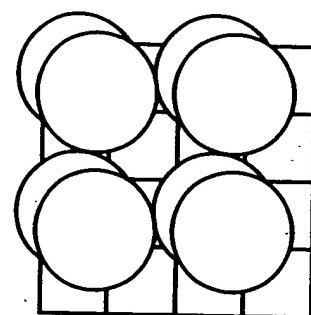
**FIG. 7A****FIG. 7B****FIG. 7C**

QUANTIZATION LEVEL	DOT LAYOUT (INK DROPLET ADHERING POSITION)
0	
1	
2	
3	
4	

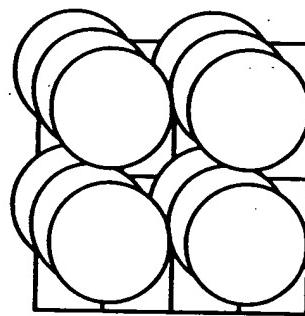
**FIG. 8A**



**FIG. 8B**



**FIG. 8C**



**FIG. 8D**

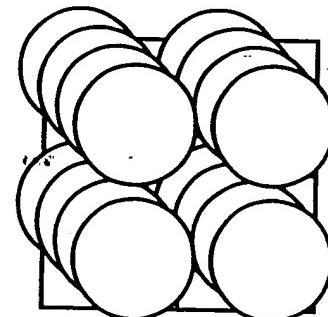
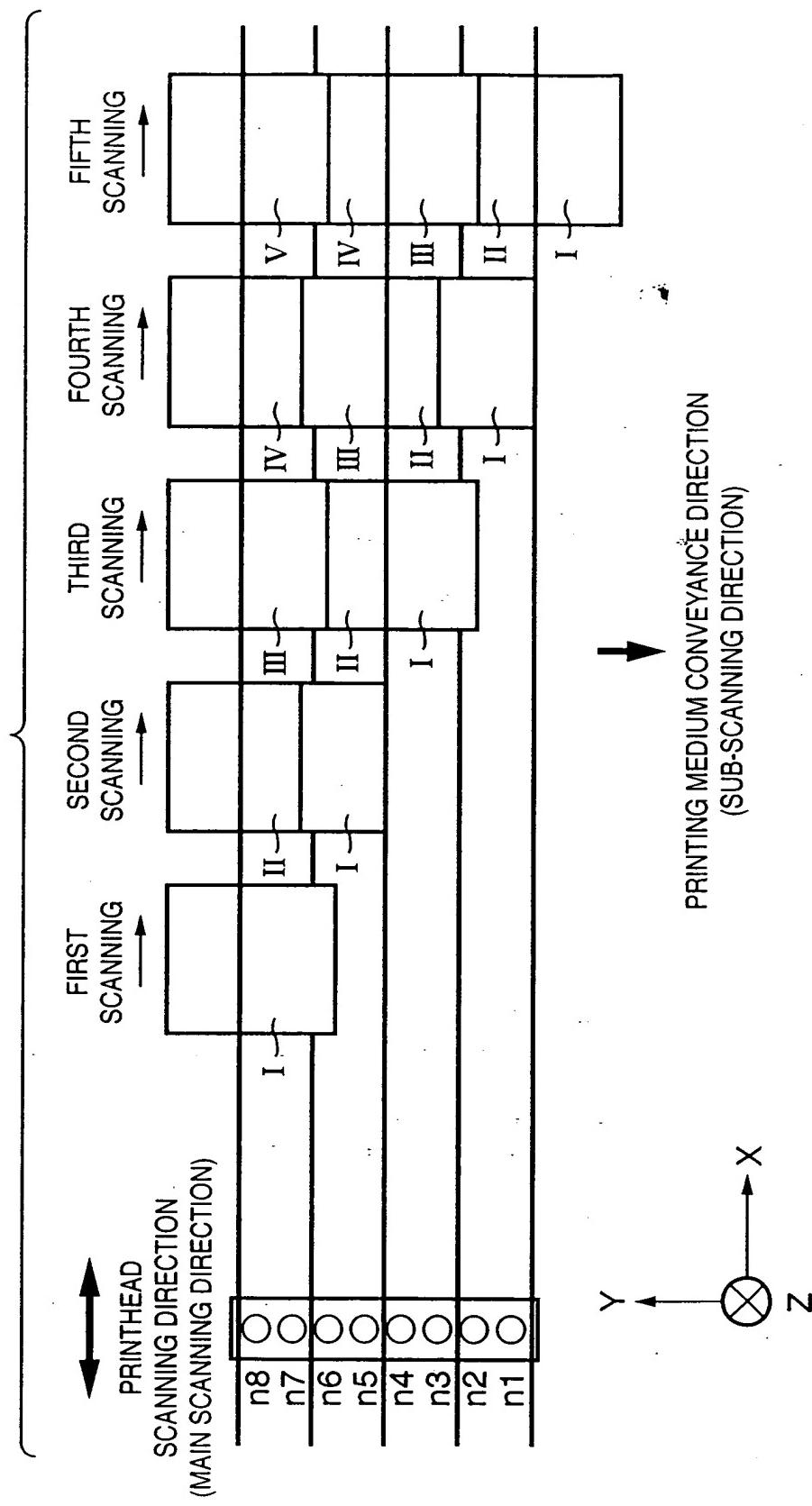
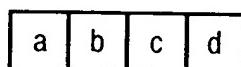


FIG. 9

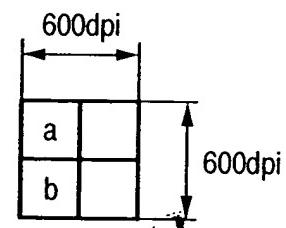


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**FIG. 10A**



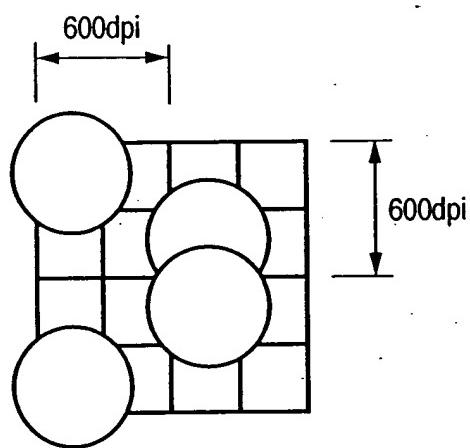
**FIG. 10B**



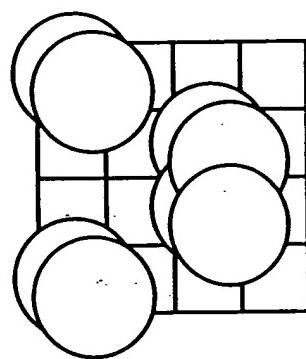
**FIG. 10C**

QUANTIZATION LEVEL	DOT LAYOUT (INK DROPLET ADHERING POSITION)
0	
1	
2	
3	
4	

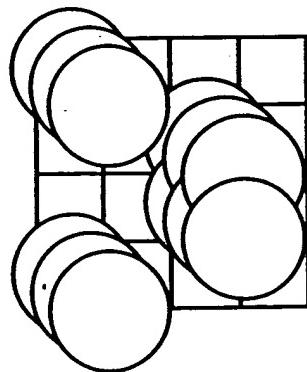
**FIG. 11A**



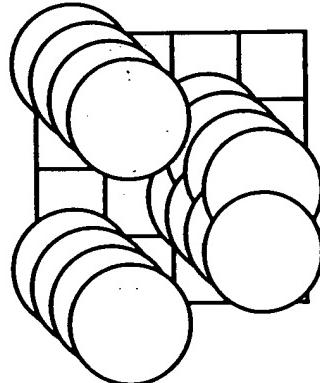
**FIG. 11B**



**FIG. 11C**



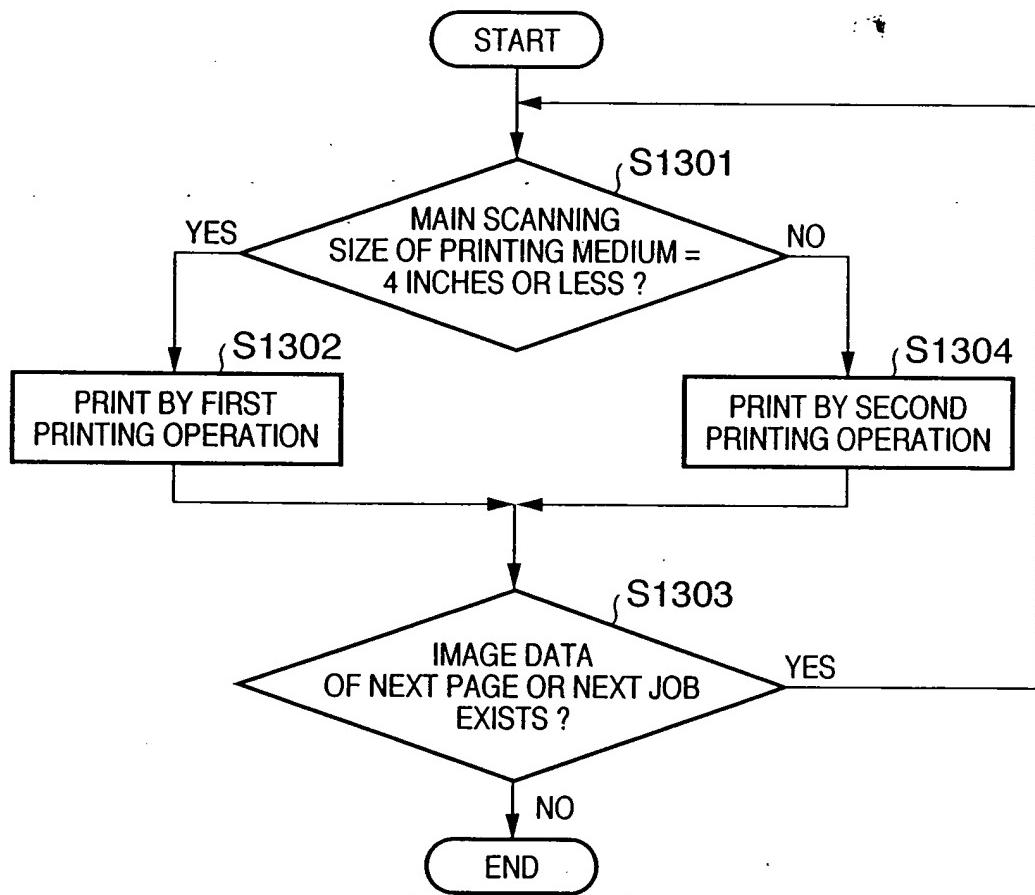
**FIG. 11D**

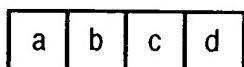
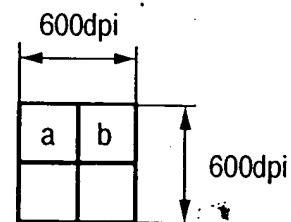


**F I G. 12**

	MAIN SCANNING SIZE OF PRINTING MEDIUM	DENSITY UNEVENNESS IN MAIN SCANNING DIRECTION AND SUB-SCANNING DIRECTION	GRAININESS
FIRST PRINTING OPERATION	3 INCHES	◎	○
	4 INCHES	○	○
	5 INCHES	△	○
	6 INCHES	×	○
	7 INCHES	×	○
	8 INCHES	××	○
SECOND PRINTING OPERATION	3 INCHES	◎	△
	4 INCHES	○	△
	5 INCHES	○	○
	6 INCHES	○	○
	7 INCHES	○	○
	8 INCHES	○	○

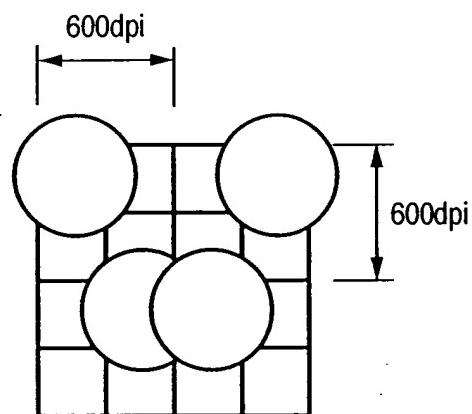
FIG. 13



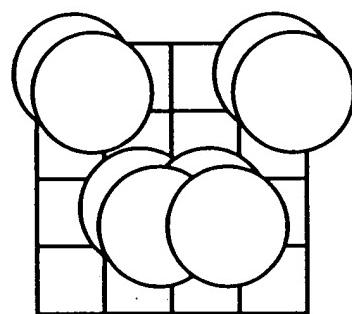
**FIG. 14A****FIG. 14B****FIG. 14C**

QUANTIZATION LEVEL	DOT LAYOUT (INK DROPLET ADHERING POSITION)
0	
1	
2	
3	
4	

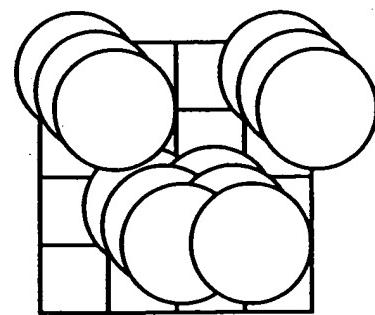
**FIG. 15A**



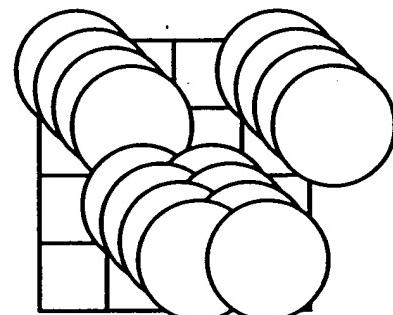
**FIG. 15B**



**FIG. 15C**



**FIG. 15D**



**FIG. 16**

	SUB-SCANNING SIZE OF PRINTING MEDIUM	DENSITY UNEVENNESS IN MAIN SCANNING DIRECTION AND SUB-SCANNING DIRECTION	GRAININESS
FIRST PRINTING OPERATION	5 INCHES	◎	○
	6 INCHES	○	○
	7 INCHES	△	○
	8 INCHES	×	○
	9 INCHES	×	◎
	10 INCHES	××	◎
SECOND PRINTING OPERATION	5 INCHES	◎	△
	6 INCHES	○	△
	7 INCHES	○	○
	8 INCHES	○	○
	9 INCHES	○	○
	10 INCHES	○	○

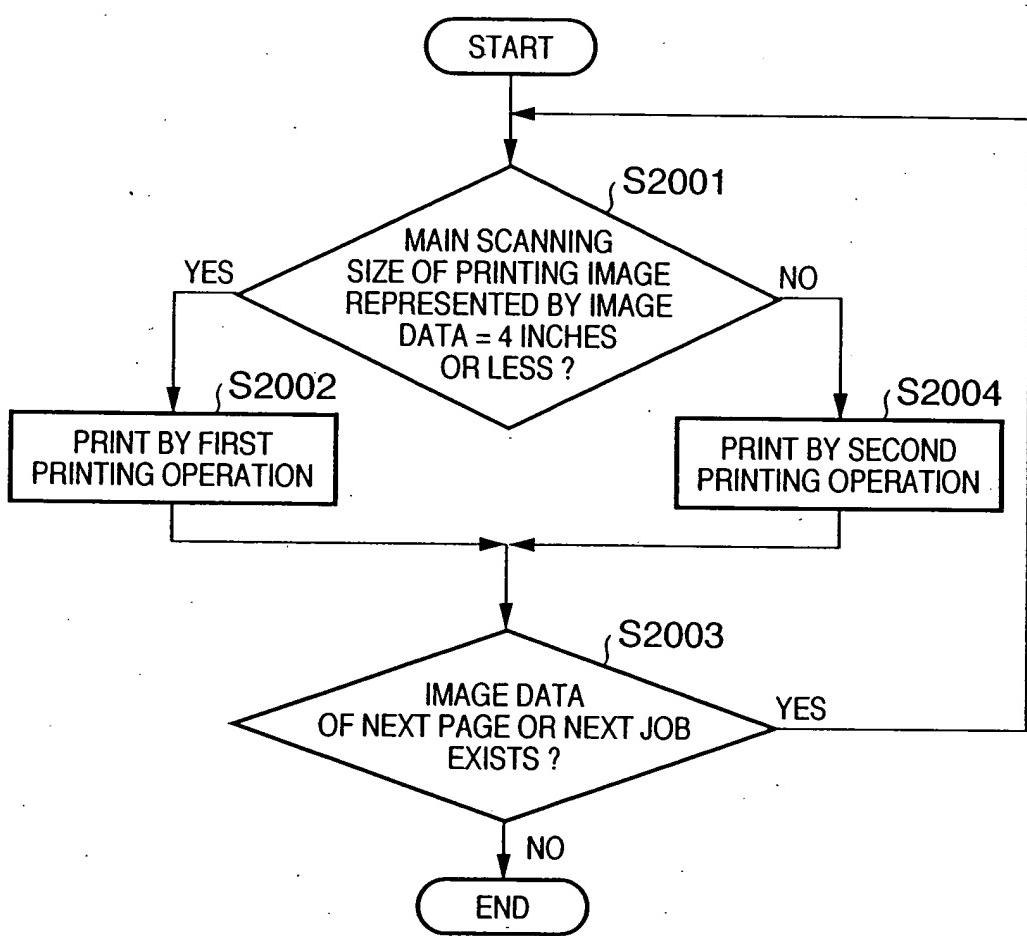
**F I G. 17**

	SUM OF MAIN SCANNING AND SUB-SCANNING SIZES OF PRINTING MEDIUM	DENSITY UNEVENNESS IN MAIN SCANNING DIRECTION AND SUB-SCANNING DIRECTION	GRAININESS
FIRST PRINTING OPERATION	8 INCHES	◎	○
	10 INCHES	○	○
	12 INCHES	△	○
	14 INCHES	×	○
	16 INCHES	×	◎
	18 INCHES	××	◎
SECOND PRINTING OPERATION	8 INCHES	◎	△
	10 INCHES	○	△
	12 INCHES	○	○
	14 INCHES	○	○
	16 INCHES	○	○
	18 INCHES	○	○

## FIG. 18

	MAIN SCANNING PRINTING SIZE OF IMAGE DATA	DENSITY UNEVENNESS IN MAIN SCANNING DIRECTION AND SUB-SCANNING DIRECTION	GRAININESS
FIRST PRINTING OPERATION	3 INCHES	◎	○
	4 INCHES	○	○
	5 INCHES	△	○
	6 INCHES	×	○
	7 INCHES	×	◎
	8 INCHES	××	◎
SECOND PRINTING OPERATION	3 INCHES	◎	△
	4 INCHES	○	△
	5 INCHES	○	○
	6 INCHES	○	○
	7 INCHES	○	○
	8 INCHES	○	○

FIG. 19



## FIG. 20

	SUB-SCANNING PRINTING SIZE OF PRINTING DATA	DENSITY UNEVENNESS IN MAIN SCANNING DIRECTION AND SUB-SCANNING DIRECTION	GRAININESS
FIRST PRINTING OPERATION	5 INCHES	◎	○
	6 INCHES	○	○
	7 INCHES	△	○
	8 INCHES	×	○
	9 INCHES	×	◎
	10 INCHES	××	◎
SECOND PRINTING OPERATION	5 INCHES	◎	△
	6 INCHES	○	△
	7 INCHES	○	○
	8 INCHES	○	○
	9 INCHES	○	○
	10 INCHES	○	○

## FIG. 21

	SUM OF MAIN SCANNING AND SUB-SCANNING PRINTING SIZES OF PRINTING DATA	DENSITY UNEVENNESS IN MAIN SCANNING DIRECTION AND SUB-SCANNING DIRECTION	GRAININESS
FIRST PRINTING OPERATION	8 INCHES	◎	○
	10 INCHES	○	○
	12 INCHES	△	○
	14 INCHES	×	○
	16 INCHES	×	◎
	18 INCHES	××	◎
SECOND PRINTING OPERATION	8 INCHES	◎	△
	10 INCHES	○	△
	12 INCHES	○	○
	14 INCHES	○	○
	16 INCHES	○	○
	18 INCHES	○	○

**FIG. 22**

